Title (en)

ORGANIC ELECTROLUMINESCENT ELEMENT

Title (de)

ORGANISCHES ELEKTROLUMINESZENTES ELEMENT

Title (fr)

ÉLÉMENT ÉLECTROLUMINESCENT ORGANIQUE

Publication

EP 3168887 A1 20170517 (EN)

Application

EP 15818378 A 20150708

Priority

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- JP 2015069641 W 20150708

Abstract (en)

The organic EL device of the present invention has an anode, a hole transport layer, a luminous layer, an electron transport layer, and a cathode in this order, and the hole transport layer contains an arylamine compound represented by the following general formula (1): where Ar 1 to Ar 4 each represent a monovalent aromatic hydrocarbon group or a monovalent aromatic heterocyclic group.

IPC 8 full level

H01L 51/50 (2006.01); **C07D 209/86** (2006.01); **C07D 471/04** (2006.01); **C09K 11/06** (2006.01)

CPC (source: EP KR US)

C07C 211/54 (2013.01 - EP US); **C07C 211/61** (2013.01 - EP US); **C07D 209/86** (2013.01 - KR); **C07D 401/10** (2013.01 - EP US); **C07D 471/04** (2013.01 - KR); **C09K 11/06** (2013.01 - EP KR US); **H10K 50/15** (2023.02 - KR); **H10K 85/631** (2023.02 - EP KR US); **H10K 85/633** (2023.02 - EP KR US); C07C 2603/18 (2017.05 - EP US); C09K 2211/1029 (2013.01 - KR); C09K 2211/1044 (2013.01 - KR); H10K 50/15 (2023.02 - EP US); H10K 50/156 (2023.02 - EP US); H10K 50/16 (2023.02 - EP US); H10K 85/615 (2023.02 - US); H10K 85/626 (2023.02 - US)

Designated contracting state (EPC)

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DOCDB simple family (application)

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